INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/000072

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01Q3/44				
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According to	o International Patent Classification (IPC) or to both nati	onal classification and IPC		
B. FIELD	S SEARCHED		·	
Minimum d Int.	ocumentation searched (classification system followed by C1 H01Q3/44, H01Q9/30	y classification symbols)		
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Tite	ion searched other than minimum documentation to the carryo Shinan Koho 1922–1996 L Jitsuyo Shinan Koho 1971–2004	extent that such documents are included Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho	1994-2004	
	ata base consulted during the international search (name	of data base and, where practicable, sear	ch terms used)	
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C. DOCUMENTS CONSIDERED TO BE RELEVANT				
·Category*	Citation of document, with indication, where app		Relevant to claim No.	
X Y	Takashi ENOKI, "5GHz-Tai Keit Antenna no Kirikae Hosha Toku Institute of Electronics, Inf	sei", 2000 Nen The ormation and	1-6,9-19 7,8,20-22	
	Communication Engineers Sogo 07 March, 2000 (07.03.00), B-	1-75		
Y	EP 1035614 A2 (Matsushita Ele Ltd.), 13 September, 2000 (13.09.00) Full text; Figs. 1 to 29	ectric Industrial Co.,	1-6,9-19 7,8,20-22	
	& JP 2001-36337 A full text; Figs. 1 to 46 & US 6337668 B1			
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Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "B" and is a document of principle or theory underlying the invention cannot be considered by subjected on or after the international filing "X" document of particular relevance; the claimed invention cannot be			he application but cited to lerlying the invention claimed invention cannot be	
date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other "Y" considered novel of cannot be considered novel or cannot be consi			e claimed invention cannot be	
"O" docur mean "P" docur	nent published prior to the international filing date but later	combination being obvious to a perso document member of the same patent	h documents, such on skilled in the art	
Date of the	ne priority date claimed actual completion of the international search March, 2004 (24.03.04)	Date of mailing of the international sea 13 April, 2004 (13	rch report .04.04)	
	mailing address of the ISA/ anese Patent Office	Authorized officer		
Facsimile i	No.	Telephone No.		

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Category* Y	JP 2002-111559 A (Hitachi Kokusai Electric Inc.), 12 April, 2002 (12.04.02),	7,8
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Y	JP 2002-374116 A (Toyo Communication Equipment Co., Ltd.), 26 December, 2002 (26.12.02), Full text; Figs. 1 to 9 (Family: none)	20-22
A	JP 2002-261532 A (ATR Adaptive Communications	1-22
	Research Laborat), 13 September, 2002 (13.09.02), Full text; Figs. 1 to 22 (Family: none)	
A	JP 2002-330019 A (Iwatsu Electric Co., Ltd.), 15 November, 2002 (15.11.02), Full text; Figs. 1 to 7 (Family: none)	20-22
	EP 812026 A2 (INTERNATIONAL BUSINESS MASCHINES CORP.), 10 December, 1997 (10.12.97), Full text; Figs. 1 to 11 & JP 3294155 B2 full text; Figs. 1 to 11 & US 5767807 A1	1-22
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